

WHAT IS CLAIMED IS:

1. An opening and closing apparatus comprising:
  - a body portion including a gate;
  - a closer provided at the body portion and capable of opening and closing the gate;
  - a first pressure sensor disposed along a peripheral edge of at least one of the gate and the closer, the first pressure sensor including a curved portion;
  - a second pressure sensor disposed between the peripheral edge and the curved portion of the first pressure sensor; and
  - a control apparatus which controls opening and closing of the closer in accordance with operation of at least one of the first pressure sensor and the second pressure sensor.
2. The opening and closing apparatus of claim 1, wherein the control apparatus comprises a driver which drives the opening and closing of the closer.
3. The opening and closing apparatus of claim 1, wherein the control apparatus further comprises a controller which controls driving for opening and closing the closer.
4. The opening and closing apparatus of claim 1, wherein the closer is made to stop at a time of operation of the sensor.
5. The opening and closing apparatus of claim 1, wherein the closer is driven in an opening direction at a time of operation of the sensor.
6. The opening and closing apparatus of claim 1, wherein the first pressure sensor

comprises an insulative body including a hollow transverse cross-section, and at least two long cord-form electrodes disposed in helical forms along an interior face of the insulative body so as to usually be non-conductive with one another.

7. The opening and closing apparatus of claim 1, wherein the second pressure sensor comprises a plate-form insulative body including a hollow transverse cross-section, and two sheet-form electrodes disposed at opposing interior faces of the insulative body so as to usually be non-conductive with one another.

8. The opening and closing apparatus of claim 1, wherein the body portion includes a body of a vehicle, and the closer includes a door.

9. The opening and closing apparatus of claim 1, wherein the closer operates by swinging.

10. The opening and closing apparatus of claim 1, wherein the second pressure sensor is provided so as to approach both ends of the curved portion of the first pressure sensor.